Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 1307-DIV-01		SERIAL NO. 10/643,227	
			OIPE JC79 NOV 17 2003 PATENT & TR...	APPLICANT Akio Tosaka et al.			
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	AA	4,790,889	12/13/88	Olaf Maid et al.			
	AB	5,074,926	12/24/91	Akio Tosaka et al.			
	AC	2003/0047256 A1	03/13/03	Chikara Kami et al.			
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✓	AE	2003/0188811 A1	10/09/03	Chikara Kami et al.			
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
✓ ✓	AL	JP 7-30408 B2	04/05/95	Japan				x
✓	AM	JP 7-316649 A	12/05/95	Japan				x
✓	AN	JP 9-296252 A	11/18/97	Japan				x
✓	AO	JP 10-183301 A	07/14/98	Japan				x
✓	AP	JP 11-279693 A	10/12/99	Japan				x

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
✓	AL	JP 2000-54071 A	02/22/00	Japan				x
	AM	EP 1028167 A2	08/16/00	Europe			x	
	AN							
	AO							
	AP							

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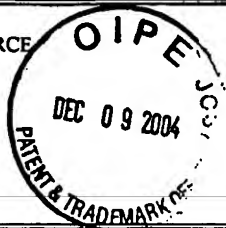|		
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	AL	JP 55-44551 A	03/28/80	Japan			Abstract only	
	AM	JP 60-145355 A	07/31/85	Japan			Abstract only	
	AN	JP 63-96248 A	04/27/88	Japan			Abstract only	
	AO	JP 4-74824 A	03/10/92	Japan			Abstract only	
	AP	EP 0 548 950 A1	06/30/93	Europe				

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